Version With Markings To Show Changed Made

22. A method for simultaneously determining [the identity of] a microorganism's identify and susceptibility to an antimicrobial agent[s of clinically significant microorganisms,] comprising the steps of:

a. suspending and homogeneously mixing a volume of microorganism-containing sample into an aqueous medium to prepare an inoculum;

b. admixing said inoculum with growth supporting medium to form a test sample;

c. introducing a predetermined amount of said test sample into a first receptacle within a solid support;

d. introducing a predetermined amount of said test sample into a second receptacle within a solid support;

e. admixing a first assay reagent with the first [test] sample in said first receptacle to form a homogenous suspension prior to conducting a first assay;

f. admixing a second assay reagent with the test sample in said second receptacle to form a homogenous suspension prior to conducting a first assay;

g. incubating said samples under predetermined conditions;

h. analyzing said suspensions independently and individually by at least two different assays, wherein one of said first and [said] second assays is a turbidimetric assay and the other is a fluorescent assay; and

i. simultaneously determining a microorganism's identify and susceptibility to an antimicrobial agent.

26. The method of claim 22 wherein said incubating step g and said analyzing step h includes the application of the algorithm outlined in Figure 1.